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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 16:25:00 ; Search time 142.504 Seconds
(without alignments)
10334.327 Million cell updates/sec

Title: US-09-807-933B-8

Perfect score: 1017
Sequence: 1 atgaagtcacacgtgtctat.....caggtcggaagaagtaa 1017

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:*

- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/1/pubpna/PC7_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PC7US_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
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- 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	221.4	21.8	1473	10	US-09-735-787-3 Sequence 3, Appl1
2	207.4	20.4	1423	9	US-10-007-521-9 Sequence 9, Appl1
3	186	18.3	1154	9	US-10-007-521-7 Sequence 7, Appl1
4	184	18.1	1174	9	US-10-007-521-11 Sequence 11, Appl1
5	179.4	17.6	1060	10	US-09-735-787-1 Sequence 1, Appl1
6	179.2	17.6	808	9	US-10-007-521-15 Sequence 15, Appl1
7	179.2	17.6	1261	9	US-09-261-329-23 Sequence 23, Appl1
8	179	17.6	894	9	US-10-007-521-3 Sequence 3, Appl1
9	179	17.6	927	9	US-10-007-521-5 Sequence 5, Appl1
10	179	17.6	960	9	US-10-007-521-1 Sequence 1, Appl1
11	178.4	17.5	1031	9	US-10-007-521-19 Sequence 19, Appl1
12	178.4	17.5	1048	9	US-10-007-521-17 Sequence 17, Appl1
13	177.6	17.5	1132	9	US-10-007-521-21 Sequence 21, Appl1
14	168.4	16.6	913	9	US-10-007-521-13 Sequence 13, Appl1
15	168.2	16.5	885	9	US-10-007-521-22 Sequence 22, Appl1
16	133.6	13.1	425	9	US-10-007-521-25 Sequence 25, Appl1
17	104	10.2	936	7	US-08-841-636A-30 Sequence 30, Appl1
18	68.8	6.8	225	9	US-10-007-521-31 Sequence 31, Appl1
19	67.8	6.7	159	9	US-10-007-521-71 Sequence 71, Appl1

20	63.8	6.3	177	9	US-10-007-521-33 Sequence 33, Appl1
21	61	6.0	180	9	US-10-007-521-69 Sequence 69, Appl1
22	60.6	6.0	159	9	US-10-007-521-47 Sequence 47, Appl1
23	59	5.8	455	10	US-09-864-761-16588 Sequence 16588, A
24	58.6	5.8	1635	10	US-09-864-761-20241 Sequence 20241, A
25	58.6	5.8	1973	10	US-09-864-761-3471 Sequence 3471, Ap
26	58.6	5.7	1075	10	US-09-864-761-19241 Sequence 19241, A
27	58	5.7	1403	10	US-09-864-761-2513 Sequence 2513, Ap
28	56.4	5.5	114	9	US-10-007-521-61 Sequence 61, Appl1
29	55.6	5.5	476	10	US-09-864-761-6 Sequence 6, Appl1
30	55.2	5.4	436	10	US-09-864-761-2885 Sequence 2885, Ap
31	55	5.4	298	10	US-09-864-761-33063 Sequence 33063, A
32	54	5.3	171	9	US-10-007-521-51 Sequence 51, Appl1
33	54	5.3	249	10	US-09-864-761-16846 Sequence 16846, A
34	53.8	5.3	180	9	US-10-007-521-41 Sequence 41, Appl1
35	53	5.2	5526	9	US-10-083-357-668 Sequence 668, App
36	52.8	5.2	446	10	US-09-864-761-20699 Sequence 20699, A
37	52	5.1	165	9	US-10-007-521-77 Sequence 77, Appl1
38	50.4	5.0	867	10	US-09-216-393-340 Sequence 340, App
39	50.4	5.0	867	10	US-09-216-393-342 Sequence 342, App
40	50.4	5.0	1397	10	US-09-216-393-343 Sequence 343, App
41	50.4	5.0	1397	10	US-09-216-393-345 Sequence 345, App
42	49.8	4.9	479	10	US-09-864-761-768 Sequence 768, App
43	49.8	4.9	830	10	US-09-864-761-19531 Sequence 19531, A
44	49.6	4.9	160	9	US-10-007-521-75 Sequence 75, Appl1
45	49.6	4.9	1635	10	US-09-864-761-20241 Sequence 20241, A

ALIGNMENTS

RESULT 1
US-09-735-787-3
Sequence 3, Application US/09735787
Patent No. US20010036910A1

GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
Mikkelsen, Jan Moller
Schlehn, Martin
Patrik, Shankant A.
Hagen, Fred
Endoglucanase Enzyme

TITLE OF INVENTION: A Cellulase Preparation Comprising an
Endoglucanase Enzyme

NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESSES:
ADDRESS: No. US20010036910A10 No. US20010036910A1disk of No. US200100369
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/735,787
FILING DATE: 13-Dec-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/189,028
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elia J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 3469,214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1473 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Fusarium oxysporum
STRAIN: DSM 2672
FEATURE:
NAME/KEY: CDS
LOCATION: 97..1224
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-735-787-3

Query Match 21.8%; Score 221.4; DB 10; Length 1473;
Best Local Similarity 63.9%; Pred. No. 1e-60;
Matches 371; Conservative 0; Mismatches 201; Indels 9; Gaps 2;

400 TCTGGAGTGTTCACAACTGTTATTGGATTGTTGAAGCTTCTTGACGTGGCT 459
151 TCTGGAGCGGTCACTCACTCACTGGAATTCGCAAGCTTCTTGCTTGAGC 210
460 GGAAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 519
211 GGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 270
520 GATGCCAATGCTCAAGTGTGTAA---CGTGGTAAATGTTTCAATGTTAAACAA 576
271 AAGCAATGCTGCAAGGTTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 330
577 CAACCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 636
331 TCTCCCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 390
637 TCCACGAGCTGAGT 696
391 GGTCCGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 450
697 TCTGGAAGAGT 756
451 AAGGCAAGAGT 510
757 TTTGATTGCAAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 816
511 TTGATTCATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 570
817 GGCCTCCCAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 876
571 GG-----CAAGGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 624
877 GCTCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 936
625 GATAGCTACCCGAGCTTCTCAAGACGTTGCCATTCGATTCGATTCGATTCGATTC 684
937 TCTGATTAACCTTACCAATGCTTCAAGAGTTCCTGCT 977
685 GCGCAACCTGACTTCACTTGTGAGCGAGTTCACTGCTCC 725

RESULT 2
US-10-007-521-9
Sequence 9, Application US/10007521
Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schulten, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takegi, Shinobu

TITLE OF INVENTION: No. US20030054539A1 Endoglucanase
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSER: No. US20030054539A10 No. US20030054539A1disk of No. US200300545
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-May-1996

ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366, 200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:
LENGTH: 1423 base pairs

TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 110..1156

SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-10-007-521-9

Query Match 20.4%; Score 207.4; DB 9; Length 1423;
Best Local Similarity 60.1%; Pred. No. 3.4e-56;
Matches 365; Conservative 0; Mismatches 236; Indels 6; Gaps 1;

400 TCTGCACTGCTTCACAACTGCTTATTGGATTGTTGAAGCTTCTTGACGTGGCT 459
173 TCGGCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 232
460 GGAAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 519
233 GCAAGAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 292
520 GATGCCAATGCTCAAGT 579
293 GATGCCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 352
580 CCTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 639
353 CTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 412
640 AAGAGCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 699
413 ACTGAGGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 472
700 GGAAGAGT 759
473 GGAAGAGT 532
760 GATTGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 819
533 GACTGATGATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 592

RESULT 3
US-10-007-521-7
; Sequence 7, Application US/100075211
; Publication No. US20030054539A1
; GENERAL INFORMATION:

ADDRESSSEE: NO. US20030054539A10 NO. US20030054539A10disk of NO. US20030054539A10
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:

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; FILING DATE: 10-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 1154 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
FEATURE:

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; NAME/KEY: CDS
; LOCATION: 51.935
; SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-007-521-7

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Query Match	18.3%;	Score 186;	DB 9;	length 1154;
Best Local Similarity	57.1%;	Pred. No. 2.5e-49;		

RESULT 4
US-10-007-521-11
; Sequence 11, Application US/10007522
; Publication No. US20030054539A1

GENERAL INFORMATION:
APPLICANT: Schulein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1 Endoglycanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:

ADDRESSSEE: NO. US200300545396A N
STREET: 405 Lexington Avenue, 64th
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/007,521
 FILING DATE: 10-Dec-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/651,136
 FILING DATE: 21-MAY-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambiris, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 4366-200-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1174 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 60..956
 SEQUENCE DESCRIPTION: SEQ ID NO: 11:
 US-10-007-521-11

Query Match 18.1%; Score 184; DB 9; Length 1174;
 Best Local Similarity 57.7%; Pred. No. 1.1e-48;
 Matches 353; Conservative 0; Mismatches 250; Indels 9; Gaps 1;

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 128 TGGAGTGGCCAGTCCAGATATCTGGACTCTGCAAGCCCTGCGGCTGGCCCG 187
 462 AAAAGCTTGTCTCACTGCTCTTTGAACCTGCTCTCAATGATATCTTTATTA 521
 188 GAAGCGCGCGTCAACCGGCTCTACGCGTGATGCAACTTCCAGCGCTGTCGA 247
 522 TGGCAATCTCAAGTGTGTTATACGGTGGTAATGTTTCAATGATACCAACAAC 581
 248 CTCAATGTCAGTGGGCTCAACGGGCGCTGCGCTTCTCTGCGCCACCAAGCTC 307
 582 TTGGGCTGTCAATGATGACTGCTTACGTTTGGCTGCTCTTATGCTGGCTCA 641
 308 CTGGCGGTGAACGACATCTGCTTACGGCTTGGCGGACGACATCGCGCGGCTC 367
 642 CGAAGCTGAGTGTGTGTGCTGTATGATTAACCTTCACTTGGCGCTGCTTGG 701
 368 CGAATCTCTGCTGCTGCTGCTGCTTACGCGCTCACTTCACTTCCGCTCCGTC 427
 702 AAAGAAGATGTTTCAAGTTACCAACCGGCTGCGGATTTAGGCTCTTAACCACT 761
 428 CAAGCAATGATGATGCTCAACGACGACGCTGGCGGCACTGGGAAGTAAACAGT 487
 762 TTGGCAATGCGCGGTGTGGGCTGTATCTTCAATGCTGTGCTGCTCAATGGGCG 821
 488 TATGCGCATGCGCGGCGGCGGTGGGCTTCAACGCTGACGCTGGAGTTGCGGG 547
 822 TCCCAATGATGCTGGGAGCTGAATGATGATGATGATGATGATGATGATGATG 881
 548 CC-----TCCCGGCGCTCAACGCGGCAATTCGTCGCGGACGAGTGGATC 598
 882 TCTTCCCTGCTCTTCAAGCTGTGTTGAATGAGATTCATGCTGTTCAAGACTTGA 941
 599 CTTCCTCCGCGGCTCAAGCGCGGTGCGGAGTGGCGGTTGACTGTTCCAGAAAG 658
 942 TAACTTACATGACTTCAAGAACTTACGCTGCTGCTGATTAACACTGCTGCTGAG 1001
 659 CAACCGGCTTACGCTTCAAGAGTGAAGTGGCGCGGAGATGCTGCGGCTCCGG 718
 1002 TTGGCAAGAAA 1013

Db 719 CTGCAAGCGCAA 730

RESULT 5
 US-09-735-787-1
 Sequence 1, Application US/09735787
 Patent No. US20010036910A1
 GENERAL INFORMATION:
 APPLICANT: Rasmussen, Grethe
 Mikkelsen, Jan Moller
 Schleiin, Martin
 Pakkar, Shankant A.
 Haagen, Fred
 TITLE OF INVENTION: A Cellulase Preparation Comprising an Endoglucanase Enzyme
 NUMBER OF SEQUENCES: 33
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. US20010036910A1 No. US20010036910A1disk of No. US200100369
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/735,787
 FILING DATE: 13-Dec-2000
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 09/189,028
 FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambiris, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 3469, 214-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: Humicola insolens
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ORIGINAL SOURCE:
 STRAIN: DSM 1800
 FEATURE:
 NAME/KEY: mat_peptide
 LOCATION: 73..924
 FEATURE:
 NAME/KEY: sig_peptide
 LOCATION: 10..72
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 10..924
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 US-09-735-787-1

Query Match 17.6%; Score 179.4; DB 10; Length 1060;
 Best Local Similarity 59.0%; Pred. No. 3.2e-47;
 Matches 350; Conservative 0; Mismatches 231; Indels 12; Gaps 2;

416 CAACCTGTTATGGAGTTGTTGAAGCTTCTTGAAGCTGCGCTGGAAGGCTTCTGCA 475
 86 CAACCGCTTACGCTGCTGCAAGCTTCTGCGGCTGGGCAAGAAAGCTTCCCGTCA 145

QY 476 CTGCTCTGTTGACACCTGCTCTCCATGATCTCTTTATTTAGATCCAACTCTCAA 535
 Db 146 ACCAGCCTGTTCTTTTCCGCAACGCACTCCAGGATACAGGACTTCCAGCCCACT 205
 QY 536 GTGCTTTGA--CGGTGTAATGTTTCAATGTATACACCAACCACTTGGCTGTCA 592
 Db 206 CCGGCTGGACCCGGCGGTCTCCCTCACTGCTGGCGGACAGACCCCATGGGCTGTGA 265
 QY 593 ATGATGAGCTGCTTACGCTTTCCTGCTGCTCATTTGCTGCTCCAAACCACTGAT 652
 Db 266 ACAGCACTTCCGCTGGTTTGTGCTCCTTATTTGCGGACAGCAATATAGGGGCT 325
 QY 653 GGTGTTGCTGCTTTATGATTAACCTTCACTTCTGCGCTGCTTCTGGAAGAAGATG 712
 Db 326 GGTCTGCTGCTGCTGCTACAGGCTCACTTCAATCCGCTCTTGTCTGCAAGAAGATG 385
 QY 713 TTGTTCAAGTTACCAACCGGTGGCGATTAGGCTTAACTTATTTGCAATGC 772
 Db 386 TCGTCCAGTCCACAGCACTGCGGTGATCTTGGCAGCAACCACTTCAATCAATCC 445
 QY 773 CCGGTGGTGGGCTGTTGTTCTTCAATGCTGCTGCTCAATGGGGGCTCCCAATGATG 832
 Db 446 CCGGCGGGGCGGTGGCATCTTCAAGGATCACTCCCAAGTTGCGGCTC----- 496
 QY 833 GCTGGGAGCTAGATATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 892
 Db 497 TGCCCGGCGACGCTACGCGGCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 556
 QY 893 CTCTTCAAGCTGTTGTAATGAGATTTCACTGCTGCTGCTGCTGCTGCTGCTGCT 952
 Db 557 CCTTCAAGCCGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 616
 QY 953 TGACCTTCAAGGATTAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1005
 Db 617 TCACCTTCCGTCAGGTCAGTGCACGCGGAGCTGCTGCTGCTGCTGCTGCTGCTG 669

RESULT 6

US-10-007-521-15
 ; Sequence 15, Application US/10007521
 ; Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT:

Schuelein, Martin
 Andersen, Lene N.
 Lassen, Soren F.
 Kauppinen, Markus S.
 Lange, Lene
 Nielsen, Ruby I.
 Ihara, Michiko
 Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1e1 Endoglycanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESSSEE: No. US20030054539A1o No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/007,521

FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136

FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33, 728
 REFERENCE/DOCKET NUMBER: 4366, 200-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 808 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 37..714
 SEQUENCE DESCRIPTION: SEQ ID NO: 15:

Query Match 17.6%; Score 179.2; DB 9; Length 808;
 Best Local Similarity 58.4%; Pred. No. 3.2e-47;
 Matches 354; Conservative 0; Mismatches 243; Indels 9; Gaps 2;

QY 415 ACAACTGTTATTTGGATTTGTTAAAGCTTTCTGACGCTGCTGGAAGCTTTCTGTC 474
 Db 118 ACAGCCGCTACTGCGGACTGCTGCAAGCAAGCTGATGAGTGAAGGAAAGCTTCTGTT 177
 QY 475 ACGTCTCTGTTGACCTGCTGCTCAATGATGATCTTTATTAATGCCAATGCTCAA 534
 Db 178 TCTCTCCAGTCAGAACCTGCGATGCTGATGAAATACACTTGGCCAGAGCTGAAAGC 237
 QY 535 AGTGTGTTAAAGGTGATGATGTTTCAATGTTAAACAACAACCACTTGGGCTGTCAT 594
 Db 238 GGATGTATAGCGGTGGAAGCTCATTCATCTGCGGAACAATGATCCATTTGGCATTGAC 297
 QY 595 GATGAGCTGCTTACGCTTCTGCTGCTGCTCTTATTTGCTGCTTCAAGAGAGCTGATG 654
 Db 298 AATAACACTGATATGTTTGTGCTGACGCCCACTTAGCGGCTCTAGAGAGAGAGCTG 357
 QY 655 TGTGTGCTGTTATGATTTGACCTTCACTTCTGCGCTGCTTCTGGAAGAAGATGTT 714
 Db 358 TGTTCAGAGCTTACGATTTGACGTTTACGATGACCCGATGTTGGGAAGAAGCTGACC 417
 QY 715 GTTCAAGTTAACCAACACCGGTGGGATTTAGGCTTCAACCACTTGTGATTTGCAATGCC 774
 Db 418 GTTCAAGTTAACCAACACCGGTGGGATTTAGGCTTCAACCACTTGTGATTTGCAATGCC 477
 QY 775 GGTGCTGCTGTTGATTTCTTA--ATGCTGCTGCTGCTCAATGAGGCGCTCCCAATGAT 831
 Db 478 GGTGAGGTGTTGGCTCTTCAACAAGAGATGCTGCTCAAGTTGGAGCTGGAACG-- 535
 QY 832 GGTGAGGAGCTAATATGTTGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 891
 Db 536 ---GGGTGCTCAATACGGGGGTGTGTCAGCGGTGACCAATCTCCCACTTCCAGCA 591
 QY 892 GCTCTTCAAGCTGTTGTTAAATGAGATTTCACTGTTTCAAGAACTGATTAACCTTACC 951
 Db 592 GCTGTCAAGCTGATGATGATTTCCGTTTCACTGATGATGATGATGATGATGATGATG 651
 QY 952 ATGACCTTCAAGAGATTAACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1011
 Db 652 GTCACTTCCAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 711
 QY 1012 AAGTTA 1017
 Db 712 AATGA 717

RESULT 7

US-09-261-329-23

; Sequence 23, Application US/09261329

; Publication No. US20030092097A1

; GENERAL INFORMATION:

; APPLICANT: Andersen, Kim

APPLICANT: Schultein, Martin
 APPLICANT: Christiansen, Lars
 APPLICANT: Damgaard, Bo
 APPLICANT: Von Der Osten, Claus
 TITLE OF INVENTION: Cellulase Variants
 FILE REFERENCE: 4887.204-US
 CURRENT APPLICATION NUMBER: US/09/261.329
 EARLIER FILING DATE: 1999-03-03
 EARLIER APPLICATION NUMBER: 1013/96
 EARLIER FILING DATE: 1996-09-17
 NUMBER OF SEQ ID NOS: 26
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 23
 LENGTH: 1261
 TYPE: DNA
 ORGANISM: Humicola grisea
 US-09-261-329-23

Query Match 17.6%; Score 179.2; DB 9; Length 1261;
 Best Local Similarity 56.4%; Pred. No. 4.2e-47;
 Matches 359; Conservative 0; Mismatches 268; Indels 9; Gaps 1;

QY 381 GGTATCTCTGGCGTAAATCTGGCAGTGGTCCAACTCTTATGGATTTGTAA 440
 DB 93 GCTCCCTTGGCCGACCTGCGCCGCAATGGCAATGCAATACCTGGACTCTGCA 132
 QY 441 AGCTTCTTGCAGCTGGCTGGAAGCTTCTGCACTGCTCTGTGAACCTGTCTC 500
 DB 153 GGCATGCTGCTTGGCCGGAAGGACCTGGAAACAGCCCTGCTTCACTTCCAGCG 212
 QY 501 CAATGTAATCTTATTAATGCAATGCTCAATGCTTAAAGTGGTAAATGTT 560
 DB 213 CAATTCAGGCGATCACCGACCCCAATACCAATGCTGCTGCAATGCGCTGCTG 272
 QY 561 CATGTAACAACAACAACCTTGGCTGCAATGATGATGCTGCTTGGCTTGGCTG 620
 DB 273 TTGCTGTGCTGACGAGACCTTGGCTTGAACGAGATGCTGCTTGGCTTGGCTG 332
 QY 621 TGCCTTATGCTGGCTTCAACGAGTGGATGCTTGTGCTGTTAATGACCTT 680
 DB 333 CAGGCTATTTGGGTGATGCAAGGCTGCTGCTGCTGCTGCTGCTTACTT 392
 QY 681 CACTTCTGCGCTGCTTGGAAAGATGATGTTTCAAGTTCAACAACCGGTGGCA 740
 DB 393 CACTGCGGCGCTGCTGCGGCAAGACATGCTGCTGCTGCTGCTGCTGCTGCTG 452
 QY 741 TTTAGGCTTAAACCACTTGAATTTGCAATGCGGCTGCTGCTGCTGCTGCTG 800
 DB 453 TCTGCGAGCAACCACTTTCAGACTTCCAGATTCAGCGCGGCTGCTGCTGCTG 512
 QY 801 CTGTGCTGCTCAATGGGCGCTCCCAATGATGCTGGGAGCTAGATATGCTGTCAG 860
 DB 513 GTGCAACCCCGAGTTCGAGGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 563
 QY 861 CTCTGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 920
 DB 564 AGACCGGAGCTGCTGCGACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 623
 QY 921 CAAGTGTCAAGAACTGTATACCTTACATGACCTTCAAGAAAGTATCTGCTGCTG 980
 DB 624 CCAATGCTTCAAGAAAGCGCAACCGCACTTACCTTCAAGCAAGTGCAGTCCCGC 683
 QY 981 TGAATTAACATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1016
 DB 684 CGAGCTGTGCTGCGAGACCGGCTGCAAGCGCGAGGA 719

RESULT 8
 US-10-007-521-3
 ; Sequence 3: Application us/10007521
 ; Publication No. US20030054539A1
 ; GENERAL INFORMATION:
 APPLICANT: Schultein, Martin

Andersen, Lene N.
 Lassen, Soren F.
 Kauppinen, Markus S.
 Lange, Lene
 Nielsen, Rudy I.
 Ihara, Michiko
 Takagi, Shinobu
 TITLE OF INVENTION: No. US20030054539A1 Endoglucanases
 NUMBER OF SEQUENCES: 109
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: No. US20030054539A1C No. US20030054539A1disk of No. US200300545
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 FILING DATE: 10-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/651.136

ATTORNEY/AGENT INFORMATION:
 FILING DATE: 21-MAY-1996

NAME: Lambiris, Elias J.
 REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4366.200-US

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 894 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 1..891

SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-10-007-521-3

Query Match 17.6%; Score 179; DB 9; Length 894;

Best Local Similarity 62.8%; Pred. No. 3.9e-47;

Matches 278; Conservative 0; Mismatches 165; Indels 0; Gaps 0;

QY 547 GGTGTAATGTTTCATGATGTAACAACAACAACCTTGGGCTGTCAATGATGAGCTGCT 606
 DB 211 GGGGAGAGGCGCTACATGATGCTCTCCAGAGCCCTGCGGCGGTGAGAGAGACTCTG 270
 QY 607 TAGGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 666
 DB 271 TAGGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 330
 QY 667 TATGAATGACCTTCACTTCTGCGGCTGCTTCTGGAAGAAGATGCTGTTCAAGTTAC 726
 DB 331 TAGGAGCTGACCTTCAACAGGCGGCTGCGGCGGCAAGATGATGTTGCAAGGAC 390
 QY 727 AACACCGGTGCGATTAGGCTTAACAACCTTGAATTTGCAATGCGCGGTGCGCTT 786
 DB 391 AACACCGGTGCGACTGCGGCGGCAACCACTTGAATGCTGCGCATCCGGGTGCGGTG 450
 QY 787 GGTATCTTCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 846
 DB 451 GGTATTTCAAGCTGACGACGACGACGACGACGACGACGACGACGACGACGACG 510
 QY 847 TAGGTGCTGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 906

Db 511 TACGCGGCATTCATTCAGAGAGAGTGCATTCCTCCCGAGGCGCTCAAGCCGGC 570
Qy 907 TGTAAATGAGATTCACCTGCTGTCAGAACTGTATTAACCTTACATGACCTTGAAGAA 966
Db 571 TGAACCTGGCGCTTCGACTGCTTCAGAAACGCGCAACACCGCTGCTACCTTCAGAG 630
Qy 967 GTTACTGTCTGCTGCTGAATTAC 989
Db 631 GTGCGCTGCGCGTGGAGCTCAC 653

RESULT 9
US-10-007-521-5
Sequence 5, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kaupinen, Markus S.
Lange, Lene
Nielsen, Rudy I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 927 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..924
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-10-007-521-5

Query Match 17.6%; Score 179; DB 9; Length 927;
Best Local Similarity 62.8%; Pred. No. 4e-47;
Matches 278; Conservative 0; Mismatches 165; Indels 0; Gaps 0;

Qy 547 GGTGTAAATGCTTCAATGTAACAACAACCACTTGGGCTGTCAATGATGAGCTGCT 606
Db 211 GCGCGACGCGCTACATGTGCTCTCCAGAGACCCCTGGGCGGTGACGAGAGCTGTG 270

Qy 607 TACGGTTCCGTGCTGCTCTATTTGCTGCTCCAAACGAGCTGAGTGTGTGCTGT 666
Db 271 TACGGCTGGGCGCGCTCAAGACTGCGCGGACAGCTCCGAGTGCAGTGTGCTGCGCTGC 330
Qy 667 TATGAATTAACCTTCACTTCTGCGCGCTTCTGGAAGAAGATGTTGTTCAGTTACC 726
Db 331 TACAGCTGACCTTCAACACGCGGCGCGTGGCGGGAAGAAGATGTTGTCAGAGCAAC 390
Qy 727 AACACGGGTGGCGATTAGGCTTAACCACTTGAATTGTGAATAAGCCGGGTGTGGCGTT 786
Db 391 AACACGGGTGGCGACTGGGGACACCACTTGAACCTTGGCATCCCGGTGGCGGTTC 450
Qy 787 GGTATCTTCAATGCTGCTGCTCAATGAGCGCTCCCAATGATGCTGGGAGCTAGA 846
Db 451 GGTATTTTCAACGCTGCTCAACGACATGAGCGGCTCCCGAAGCGCTGGGAGGACCGC 510
Qy 847 TATGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 906
Db 511 TACGCGGCATTCATTCAGAGAGAGTGCATTCCTCCCGAGGCGCTCAAGCCCGGC 570
Qy 907 TGTAAATGAGATTCACCTGCTTCAAGAACTGTATTAACCTTACATGACCTTGAAGAA 966
Db 571 TGAACCTGGCGCTTCGACTGCTTCAGAAACGCGCAACACCGTGTGTCACCTTCAGAG 630
Qy 967 GTTACTGTCTGCTGCTGAATTAC 989
Db 631 GTGCGCTGCGCGTGGAGCTCAC 653

RESULT 10
US-10-007-521-1
Sequence 1, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Lassen, Soren F.
Kaupinen, Markus S.
Lange, Lene
Nielsen, Rudy I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:

LENGTH: 960 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 113..787
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-007-521-1

Query Match 17.6%; Score 179; DB 9; Length 960;
Best Local Similarity 62.8%; Pred. No. 4.1e-47;
Matches 278; Conservative 0; Mismatches 165; Indels 0; Gaps 0;

547 GGTGTAATGTTTATGTTAACAACAACAACCTGGGCTGAATGATAGCTGCT 606
323 GGGGAGCGGCTTAATGCTCTCTCCAGAGCCCTGGCCGTACGACGAGCTGTG 382
607 TACGGTTTCTGCTGCTCTTATGCTGCTCAACGAGTGAATGTTGTGCTGT 666
383 TAGGGTGGGGCGGCTCAAGCTCGCGGAGCTCGAGTGGAGTGTGCTGGCTG 442
667 TATGAATGACCTTCACTTCTGCGCGCTGCTTCTGGAAGAATGTTTCAATTAC 726
443 TAGAGCTGACCTTCAACGAGCGGCGGCTGCGGCGGAGAGATGATGTCAGCGACC 502
727 AACACCGGAGGAGATTAGGCTCTAACCACTTTGATTTGCAATGCGCGGTGCTG 786
503 AACACCGGAGGAGATTAGGCTCTAACCACTTTGATTTGCAATGCGCGGTGCTG 786
787 GGTATCTTCAATGCTGCTGCTCAATGCGGCGCTTCCCAATGATGCTGGGAGCTG 846
563 GGTATTTTCAACGCTGCAACGAGTACGAGGCTGCGGCGGAGCTGGGAGCTG 846
847 TATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 906
623 TACGGGAGGATCCATTCACAGAGAGTGCAGATCTTCCCGAGGCGCTCAAGCCG 682
907 TGTAAATGAGATTAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT 966
683 TGCATGCGGCTTCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 742
967 GTTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 967
743 GTGCGCTGCGGCTGCGAGCTCAC 765

RESULT 11
US-10-007-521-19
Sequence 19, Application US/10007521
Publication No. US20030054539A1
GENERAL INFORMATION:
APPLICANT: Schuelein, Martin
Andersen, Lene N.
Laeser, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ikara, Michiko
Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1 Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 1031 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 11..889
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-007-521-19

Query Match 17.5%; Score 178.4; DB 9; Length 1031;
Best Local Similarity 58.5%; Pred. No. 6.7e-47;
Matches 352; Conservative 0; Mismatches 241; Indels 9; Gaps 2;

415 AACACTGTTATGGAATGTTGTAAGCTTCTGACGCTGCTGGAAGCTTCTGTC 474
77 AAGACCGGCTATGGAATGCTGCAAGCAAGCTGATGATGATGATGATGATGAT 136
475 ACTGCTCTGTTGACACCTGCTGCTCAATGATGATGATGATGATGATGATGAT 534
137 TCTGCTCAGTCAGAACTTGGATGATGATGATGATGATGATGATGATGATGAT 196
535 AGTGGTTGTAAGGAGGATGATGATGATGATGATGATGATGATGATGATGATGAT 594
197 GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 256
595 GATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 654
257 AATAAAGTGAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 316
655 TGTGCTGCTGTTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 714
317 TGTGCTGCTGTTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 376
715 GTTCAAGTATCAACACCGGAGGATGATGATGATGATGATGATGATGATGATGAT 774
377 GTTCAAGTATCAACACCGGAGGATGATGATGATGATGATGATGATGATGATGAT 436
775 GGTGCTGCTGTTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 831
437 GGTGAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 494
832 GGTGAGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 891
495 ---GGGATGCTCAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 550
892 GCTCTTCAAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 951
551 GCTGCAAGTATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 610
952 ATGACCTTCAAGGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1011
611 GTACCTTCCAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 670

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-867-0123

TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 1132 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 42..971

SEQUENCE DESCRIPTION: SEQ ID NO: 21:

US-10-007-521-21

Query Match

Best Local Similarity 57.1%; Score 177.6; DB 9; Length 1132;

Matches 346; Conservative 0; Mismatches 254; Indels 6; Gaps 1;

400 TCTGGGAGTGTTCACACCTGCTATGAGTGTGTAAGCTTCTGACGCTGCT 459
 96 TCTGGACGCGCGGACACACGATCTGSACTGCTGCAAGCTTCTGCGGTGGAC 155
 460 GGAAGAGCTTCTGCTACGCTCTGTTGACACCTGCTCCATGATGTTCTTTATTA 519
 156 GAAAGGCTCTGCTGACGCGCTGTAAGCGTGAAGAAACAAACCTCTCGCG 215
 520 GATGCCAATGCTCAAGAGTGTGTAACGAGTGAATGTTCAATGTGAACAACACAA 579
 216 TCCACGCGCCAGAGCGGCTGCATTCACCGCGCTGCTACACGTCGAACGATACAG 275
 580 CTTGGGCTGCTCAATGATGATGCTGCTTACGCTTACGCTGCTGCTGCTGCTGCT 639
 276 CCGGAGGCTGTCAACATATACCTGCTATGTTGCTGCTGCTGCTGCTGCTGCTGCT 699
 640 AAGAGCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 759
 336 TCGAGGCGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 819
 700 GGAAGAAAGTGTGTTTGAAGTGAACACCGGCTGCTGCTGCTGCTGCTGCTGCT 879
 396 GGAAGAAAGTGTGTTTGAAGTGAACACCGGCTGCTGCTGCTGCTGCTGCTGCT 939
 760 GATTGCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 999
 456 GACATCTCTCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1055
 820 GCTCCCAATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1132
 516 GTGAGC-----TTCGCGGAAACCGCTGAGGCGGACACACGCGGACGACATGCTCC 689

RESULT 14

US-10-007-521-13

Sequence 13: Application US/10007521

Publication No: US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schultein, Martin

Andersen, Lene N.

Larsen, Soren F.

Kauppinen, Markku S.
 Lange, Lene
 Nielsen, Ruby I.
 Ihara, Michiko
 Takagi, Shinobu
 TITLE OF INVENTION: No. US20030054539A1 Endoglycanases
 NUMBER OF SEQUENCES: 109
 CORRESPONDENCE ADDRESS:
 ADDRESS: No. US20030054539A1 No. US20030054539A1disk of No. US200300545
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/007,521
 FILING DATE: 10-Dec-2001
 CLASSIFICATION: <unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/651,136
 FILING DATE: 21-MAY-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Lambiris, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 4366-200-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 913 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 41..706
 SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 US-10-007-521-13

Query Match 16.6%; Score 168.4; DB 9; Length 913;
 Best Local Similarity 56.5%; Pred. No. 1.1e-43;
 Matches 357; Conservative 0; Mismatches 266; Indels 9; Gaps 2;

389 CTGGGGGTAATCTGGGAGTGTTCACACCTGCTATGAGTGTGTAAGCTTCTT 448
 84 CTGGCACTGAGGCACTGAGGCGGTGACACCAAGTCTGAGCTGTCAGACCTCTT 143
 449 GCAAGTGGCTGGAAGAAAGCTTCTGTCATGCTGCTGTTGACACCTGCTCAATGTA 508
 144 GGTCTTGACCGGGAAGAAAGCACTGCTCTCAAGCCGCTGGAACCTGCACTTAAGCA 203
 509 TCTCTTTTATGATGCAATGCTCAAGTGT--TGTAAAGGTGTAAATGTTTCATGT 565
 204 ACGCCGACGCGGAGGATGCTCAAGTGTCTGCTGATGAGCGGACGCGCTACTACT 263
 566 GTAACAAACCAACCTTGGGCTGTCAATGATGAGCTGCTTACGCTTGGCTGCTGCT 625
 264 GAGGACACGAGGCGCAATGGGCGGTGAAGACAGCTTCTTCTGAGCTTCTGAGCGCA 323
 626 CTATTGCTGCTCAAGAAAGTGTGATGATGATGATGATGATGATGATGATGATGATGAT 685
 324 AACTGTGGAAGAGAGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 383
 686 CTGGGCTGCTTCTGGAAGAAAGTGTGATGATGATGATGATGATGATGATGATGATGATGAT 745
 384 CCACGCGGTTCTGGGAGCAATGATGATGATGATGATGATGATGATGATGATGATGATGAT 443

QY 746 GCTTAAACCACTTGAATTGCAATGCCCCGCTGGCTGTATCTTCAATGGCTGTG 805
 Db 444 GCAACAACCACTTGAATGCAATGCGCGGCGGCGGTGGCATCTTCAACGGGTCT 503
 QY 806 CTGCTCAATGGGGCGCTCCCAATGATGGCTGGGAGCTAGATATGGTGTCTGACTGTG 865
 Db 504 CCAAGCAATGGAAGCGCATCAAT-----CTGGGCAACCAATATGGCGGCTTCACTGACC 557
 QY 866 TCTGTGACTGTGCT 925
 Db 558 GCTGCAATGTGCGACGCTCCCTGTCAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 617
 QY 926 GGTTCAGAACTCTGATTAACCTTACCATGACCTTCAAGAGTTACCTGTCTGTGTAAT 985
 Db 618 GGTTCAGAAATGCCGACCAACCCCACTGTCGATGGGAGCTGTCTGCTTCCCAAGGAAT 677
 QY 986 TAACTACTGCTCAGGTTGCGAAGAAAGTAA 1017
 Db 678 TGTGCGCCGGAAGTGTGCTGCTTCCGTAACCTAA 709

RESULT 15

US-10-007-521-23
 : Sequence 23, Application US/10007521
 : Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin
 Andersen, Lene N.
 Lassen, Soren F.
 Kauppinen, Markus S.
 Lange, Lene
 Nielsen, Ruby I.
 Ihara, Michiko
 Takagi, Shinobu
 TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases
 NUMBER OF SEQUENCES: 109
 CORRESPONDENCE ADDRESS:
 ADDRESSSEE: No. US20030054539A1o No. US20030054539A1dsk of No. US200300545
 STREET: 405 Lexington Avenue, 64th Floor
 CITY: New York
 STATE: New York
 COUNTRY: United States of America
 ZIP: 10174-6401
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/007,521
 FILING DATE: 10-Dec-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/651,136
 FILING DATE: 21-MAY-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Hamblin, Elias J.
 REGISTRATION NUMBER: 33,728
 REFERENCE/DOCKET NUMBER: 4366,200-US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-867-0123
 TELEFAX: 212-878-9655
 INFORMATION FOR SEQ ID NO: 23:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 885 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..882

; SEQUENCE DESCRIPTION: SEQ ID NO: 23:
 US-10-007-521-23

Query Match 16.5%; Score 168.2; DB 9; Length 885;
 Best Local Similarity 56.9%; Pred. No. 1.2e-43;
 Matches 352; Conservative 0; Mismatches 258; Indels 9; Gaps 2;

QY 389 CTGGCGGTAAATCGGAGAGTGTTCACAACTCGTTATGGGATTTGTAAAGCTTTT 448
 Db 44 CTGCTCATGAAAGCACTAGCGGCGCTGACACAGGTAATGGGATCTGTCAAGCGCTTT 103
 QY 449 GCAGCTGGCTGAAAACTTCTGTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 508
 Db 104 GTGCTTGAGAGGCGAAGAGATCCGTCTCAAGCCCGTGGAACTGGGACATCAAGCACA 163
 QY 509 TCTCTTATTAATGATCCAAAGTCTCAAGTGT---TGTAAAGGTGTAATGTTTCAATG 565
 Db 164 ACGCCAGAGCGCCGAGGATCTGCTCAAGTGTCTGTGATGGGCGGCGGCTTAACCT 223
 QY 566 GTAAACAACAACCAACTTGGGCTGTCAATGATGAGCTCGTTAGGTTTGGCTGTGCT 625
 Db 224 GCAGCAACCAAGGCGCCATGGGCGCTGAACAGACCTTTCTAGGCTTCCGCTCCGCA 283
 QY 626 CTATGTGCTGCCAAGCAAGCTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 685
 Db 284 AGTGTCCGGAAGCAGAGACTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 343
 QY 686 CTGGCGCTGCTTCTGGAAGAAGATGTTTCAAGTTACCAAGCCGTCGCAATTAG 745
 Db 344 CCACCGCGCTTCCGGGAGGAATGATGTCGAAATTCACAAACGCGGCGGCACTCG 403
 QY 746 GCTTAAACCACTTGAATTGCAATGCCCCGCTGGCTGTATCTTCAATGGCTGTG 805
 Db 404 GCAACAACCACTTGAATGCAATGCGCGGCGGCGGTGGCATCTTCAACGGGTCT 463
 QY 806 CTGCTCAATGGGGCGCTCCCAATGATGGCTGGGAGCTAGATATGGTGTCTGACTGTG 865
 Db 464 CCAAGCAATGGAAGCGCATCAAT-----CTGGGCAACCAATATGGCGGCTTCACTGACC 517
 QY 866 TCTGTGACTGTGCT 925
 Db 518 GCTGCAATGTGCGACGCTCCCTGTCAGAGGCGGCGGCGGCGGCGGCGGCGGCGGCT 577
 QY 926 GGTTCAGAACTCTGATTAACCTTACCATGACCTTCAAGAGTTACCTGTCTGTGTAAT 985
 Db 578 GGTTCAGAAATGCCGACCAACCCCACTGTCGATGGGAGCTGTCTGCTTCCCAAGGAAT 637
 QY 986 TAACTACTGCTCAGGTTG 1004
 Db 638 TGTGCGCCGGAAGTGTGCTGCTTCCGTAACCTAA 709

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